

## Career Henan Chemical Co.

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### Certificate of Analysis

Product name	Palmitoleic Acid	Batch No.	C20171124
CAS NO.	373-49-9	MFG Date	2017.11.22
Batch Size	100G	Testing Date	2017.11.23

Tests	Standard		Results
Description	Colourless to light yellow clear liquid		Light yellow clear liquid
Purity(GC Methyl ester Deriv)	97.0%		98.3%
Impurities(GC Methyl ester Deriv)	Palmitic Acid(C16: 0)	≤1.0%	0.23%
	Oleic acid(C18: 1)	≤1.0%	0.29%
	Linoleic acid(C18: 2)	≤1.0%	0.02%
	Alpha-Linolenic acid(C18: 3)	≤1.0%	ND
	Total impurities	≤3.0%	1.7%
Acid value mgKOH/g	210-250		231
Peroxide meq/kg	≤10		0.94
Moisture(%)	≤0.5		0.15
Iodine value g I/100g	80.0-90.0		90
Anisidine Value	≤20		0.2

**Conclusion: Conforms to in-house specification for Palmitoleic acid.**

Note: Origin from plant oil.

Analyst: Dr.LIAN

Checked by: LI

